

ABSTRACT

Laboratory test data are analyzed in relation to the health assessment data of an animal together with the genetic data related to that same animal. These data are relevant to the likely morbidity, likely longevity, and/or the potential risk for disease or disorder for the animal, including temperament, immune stimulation and cellular inflammatory response mediators, markers for neoplastic or paraneoplastic change, inherited organ dysfunction or dysplasia, autoimmune thyroiditis, mammary cancer, immune surveillance markers, and inherited bleeding tendency. A panel of tests relates to at least one of endocrine function, immunologic function, gastrointestinal function and nutritional analysis, inborn errors of metabolism, paternity, DNA fingerprinting, hemostasis and coagulation function, vaccinal antibody status, adverse and potential adverse vaccine reaction, infectious diseases, pathology, blood typing and bone marrow analysis, cell cytotoxicity, cytokine and allergy testing, and markers of neoplastic and paraneoplastic change.